Attorney Docket No. 226749 Client Reference No. 20462-CPA-RI-Div

Cheff Reference No. 20402-Cl A-IQ-DIV

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Reissue of U.S. Patent No. 6,080,553

Sogabe et al.

Issued: June 27, 2000

Application No.: Unassigned

Art Unit: 1652

Filed: March 23, 2004

Examiner: Elizabeth Slobodyansky

Assigned to Toyo Boseki Kabushiki Kaisha

For: CREATINE AMIDINOHYDROLASE,

PRODUCTION THEREOF AND USE

THEREOF

INFORMATION DISCLOSURE STATEMENT

Mail Stop Reissue Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Pursuant to 37 CFR 1.97 and 1.98, the references listed on the enclosed Form PTO-1449 and/or Substitute Form PTO-1449 ("Form 1449") are submitted for consideration by the Examiner in the examination of the above-identified patent application.

The full consideration of the references in their entirety by the Examiner is respectfully requested and encouraged. Also, it is respectfully requested that the references be entered into the record of the present application and that the Examiner place his or her initials in the appropriate area on the enclosed Form 1449, thereby indicating the Examiner's consideration of each of the references.

The submission of the references listed on the Form 1449 is for the purpose of providing a complete record and is not a concession that the references listed thereon are prior art to the invention claimed in the patent application. The right is expressly reserved to establish an invention date earlier than the above-identified filing date in order to remove any reference submitted herewith as prior art should it be deemed appropriate to do so.

Further, the submission of the references is not to be taken as a concession that any reference represents art that is relevant or analogous to the claimed invention. Accordingly, the right to argue that any reference is not properly within the scope of prior art relevant to an examination of the claims in the above-identified application is also expressly reserved.

The Information Disclosure Statement is being filed:

In re Appln. of Sogabe et al. Application No. Unassigned

	date of 37 CFI set for of a fir	any one of the following time periods: (a) within three months of the filing f a national application other than a continued prosecution application under R 1.53(d); (b) within three months of the date of entry of the national stage as the in 37 CFR 1.491 of an international application; (c) before the mailing date est Office Action on the merits; or (d) before the mailing of a first Office Action are filing of a request for continued examination under 37 CFR 1.114.						
	after (a), (b), (c) or (d) above, but before the mailing date of a final action undo 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an action the otherwise closes prosecution in the application, and includes <i>one</i> of:							
		the Statement under 37 CFR 1.97(e) (see "Statement under 37 CFR 1.97(e)" below).						
	\Box	the fee of \$180 set forth in 37 CFR 1.17(p) (see "Fees" below).						
	under 3 and on 37 CFI	the mailing date of a final action under 37 CFR 1.113 or a Notice of Allowance 37 CFR 1.311, or an action that otherwise closes prosecution in the application, or before payment of the issue fee, and includes the Statement under R 1.97(e) (see "Statement under 37 CFR 1.97(e)" below), and the fee of \$180 as the in 37 CFR 1.17(p) (see "Fees" below).						
	after the mailing date of a Notice of Allowance under 37 CFR 1.311, and on or before payment of the issue fee, and within thirty days of receiving each item of information contained in the Information Disclosure Statement, and includes the Statement under 37 CFR 1.704(d) (see "Statement under 37 CFR 1.704(d)" below), and the fee of \$180 as set forth in 37 CFR 1.17(p) (see "Fees" below). NOTE: This is for original applications except applications for a design patent, filed on or after May 29, 2000, wherein a paper containing only an Information Disclosure Statement in compliance with 37 CFR 1.97 and 1.98 is being filed.							
Copie	s of the	References						
	Copies herewi	of all of the references listed on the enclosed Form 1449 are enclosed th.						
\boxtimes	patents enclose	atent application was filed after June 30, 2003. Accordingly, copies of U.S. and patent application that are listed on the accompanying Form 1449 are not ed herewith (see Official Gazette Notice of August 5, 2003). Copies of other ces identified on the accompanying Form 1449 are enclosed herewith.						
\boxtimes	relevan an Eng action degree	ted to each reference not in the English language is a concise explanation of the ace pursuant to 37 CFR 1.98(a)(3). An English-language equivalent/patent, or clish-language abstract, or an English-language version of the search report or by a foreign patent office in a counterpart foreign application indicating the of relevance found by the foreign office is being submitted in lieu of a concise ation of the relevance pursuant to 37 CFR 1.98(a)(3).						

	Appln. of Sogabe et a cation No. Unassign									
	A copy of the foreign search report is enclosed herewith.									
	parent application furnished at that submitted herewith The Examiner is accordance with Procedure. In according upon for an	ted on the enclosed For (s) of the present application. Accordingly, add not not so as not to burden the respectfully requested the requirements set of ordance with 37 CFR 1.9 not earlier filing date underviously furnished are set.	cation, and coditional copies to file with dure to carefully ut in the Ma 8(d), the detail der 35 USC 1	pies of the resort of the resort of the resort of the review the solution of the parents of the	references were erences are not is of references. ereferences in tent Examining int application(s)					
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3.										
	The undersigned hereby states that each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign patent application not more than three months prior to the filing of the Information Disclosure Statement. The undersigned hereby states that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign patent application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the Information Disclosure Statement.									
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Fees										
	No fee is owed by the IDS Fee of \$18	he applicant(s). 80 under 37 CFR 1.17(n)	is enclosed he	rewith						

In re Appln. of Sogabe et al. Application No. Unassigned

Metho	od of Payment of Fees								
	Attached is a check in the amount of \$. Charge Deposit Account No. 12-1216 in the amount of \$. (A duplicate copy of this communication is enclosed for that purpose.)								
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Date: March 23, 2004

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary) Sheet of

	Complete if Known	
Application Number	Unassigned	
Filing Date	March 23, 2004	
First Named Inventor	Sogabe et al.	
Group Art Unit	Unassigned	
Examiner Name	Unassigned	
Attorney Docket Number	226749	

		U.S. Patent Document				
Examiner Initials	Doc. No.	Application or Patent Number	Kind Code	Name of Patentee or Applicant	Date of Publication	Filing Date If Appropriate
	AA	3,806,420	Α	Holz et al.	April 23, 1974	
	AB	3,907,644	Α	Mollering et al.	Sept. 23, 1975	
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	ΑD	5,451,520	A	Furukawa et al.	Sept. 19, 1995	

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				FORE	IGN PATENT DOCUMENTS				
		F	oreign Patent Docume	nt			Trans	Translation	
Examiner Initials	Doc. No.	Office	Application or Patent Number	Kind Code	Name of Patentee or Applicant	Date of Publication	Yes	No*+	
	ΑE	JP	62-091182	Α	Kobayashi Seiyaku KK	April 25, 1987		X ⁺	
	ΑF	JP	07-265074	Α	Toyobo Co. Ltd.	Oct. 17, 1995		X⁺	
	AG	JP	07-274961	Α	Toyobo Co. Ltd.	Oct. 24, 1995		X⁺	
	АН	JP	10-257890	Α	Toyobo Co. Ltd.	Sept. 29, 1998		X⁺	

		OTHER - NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book,	Trans	slation
Examiner Initials	Doc. No.	magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number (s), publisher, city and/or country where published.	Yes	No*+
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	AK	YAMADA et al., "Glycerol Dehydrogenase from <i>Cellulomonas</i> sp. NT3060: Purification and Characterization," Agric. Biol. Chem., 46 (9), 2333-2339 (1982)		
	AL	YAMASAKI et al., "Purification and Properties of α-Glucosidase from <i>Penicillium</i> purpurogenum," Agr. Biol. Chem., 40 (4), 669-676 (1976)		
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	AQ	TANAKA et al., "Purification and Properties of β-Galactosidase from Aspergillus oryzae," J. Biochem., 77, 241-247 (1975)		
	AR	YAMASAKI et al., "Purification and Properties of α-Glucosidase from <i>Bacillus cereus</i> ," Agr. Biol. Chem., 38 (2), 443-454 (1974)		
Δ =	AS	KITAHATA et al., "Purification and Some Properties of Candida tropicalis α-Glucosidase," Kagaku to kogyo, 62 (9), 363-367 (1988)		

Examiner Signature	Date Considered	

^{*} A concise statement of relevance is being submitted in lieu of a translation. 37 CFR 1.98(a)(3).

+ An English-language equivalent/patent, or an English-language abstract, or an English-language version of the search report or action by a foreign patent office in a counterpart foreign application indicating the degree of relevance found by the foreign office is being submitted in lieu of a concise explanation of relevance under 37 CFR 1.98(a)(3).

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Substitute for fo	m 1449A/B/PTO			Application Number	Unassigned		
INEC	I AO ITA BAGIC	חופר	CLOCUPE	Filing Date	March 23, 2004		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				First Named Inventor	Sogabe et al.		
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	(Use as many sheet	s as ne	cessary)	Examiner Name	Unassigned		
Sheet	2	of	2	Attorney Docket Number	226749		

	5.	OTHER - NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book,		
Examiner Initials	Doc. No.	magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number (s), publisher, city and/or country where published.	Yes	Slation No*+
	ΑТ	FUKUMOTO et al., "Studies on Lipase IV. Purification and Properites of a Lipase Secreted by Rhizopus Delemar," J. Gen. Appl. Microbiol., 10 (3), 257-265 (1964)		
	ΑU	UWAJIMA et al., "Purification and Properties of Cholesterol Esterase from <i>Pseudomonas fluorescens</i> , Agr. Biol. Chem., 40 (10), 1957-1964 (1976)		
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	AW	SUZUKI et al., "Purification and Characterization of <i>Bacillus coagulans</i> Oligo-1,6-Glucosidase," Eur. J. Biochem., 158, 77-83 (1986)		
	AX	MAKINO et al., "Purification and Characterization of a New Glucose Dehydrogenase from Vegetative Cells of <i>Bacillus megaterium</i> , Journal of Fermentation and Bioengineering, 67 (6), 374-379 (1989)		
	AY	KATO et al., "Alcohol Oxidases of <i>Kloeckera</i> sp. and <i>Hansenula polymorpha</i> ," Eur. J. Biochem., 64, 341-350 (1976)		
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··· ··· -	BE	Roche Molecular Biochemicals, "Creatinase, Pseudomonas species, recombinant," 48-51 (1999/2000)		
	BF	Toyobo Co., Ltd. Catalog, "Creatine Amindinohydrolase from Pseudomonas sp.," TOYOBO ENZYMES (Diagnostic Reagent Grade) (1991)		
	BG	Toyobo Co., Ltd. Catalog, "Creatine Amindinohydrolase from Actinobacillus sp.," TOYOBO ENZYMES (Diagnostic Reagent Grade), 75-78 (2000)		
	ВН	YOSHIMOTO et al., "Creatine Amidinohydrolase of Pseudomonas putida: Crystallization and Some Properties," <i>Arch. Biochem. Biophys.</i> , 177, 508-515 (1976)		

Examiner Signature	Date Considered	

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